

AZ Broadband & Public Safety Status Update

Presentation to

PSCC

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November 16, 2010

- Public Safety Communications Research (PSCR) - Planned Meeting
- Tech News - OASIS & EDXL
- SCIP 2011 Update
- Mesa TOPAZ Waiver Update
- Tucson Waiver Update



PSCR Planned Meeting (Dec 2010)

Days 1 & 2 – Vendors, FCC, PSST & Waiver Recipients

- PSCR 700 MHz Demo status and waiver interviews
- Vendor updates - Alcatel-Lucent has started testing
- Federal Communications Commission (FCC) & Public Safety Spectrum Trust (PSST) updates

Day 3 – Waiver recipients

- Status updates from all waiver recipients [Note: PSIC has been given waiver-recipient access to meetings and documentation, thanks to John Minick & Dale Shaw.]
- Lessons Learned/Challenges – RFP, vendor, technical, interoperability, procedures, etc.
- Possible common applications, shared resources and mutual functionality.

OASIS = Organization for the Advancement of Structured Information Standards

Standards development for eXtensible Markup Language (XML), and more specifically Emergency Data Exchange Language (EDXL)

- **Current EDXL Standards**

- » *EDXL-Common Alerting Protocol (CAP)*

- FEMA's Integrated Public Alerts and Warnings System (IPAWS)
- National Weather Service (NWS)

- » *EDXL-Distribution Element (DE)*

- » *EDXL-Hospital Availability Exchange (HAVE)*

- » *EDXL-Resource Messaging (RM)*

- **EDXL Standards - Under Development**

- » *EDXL-Tracking of Emergency Patients (TEP)*

- » *EDXL-Situation Reporting (SitRep)*

The EDXL-Situation Reporting (SitRep) standard will support the following NIMS-ICS Forms:

- ICS-201 - Incident Briefing
- ICS-203 - Organizational Assignment List
- ICS-207 - Incident Organizational Chart
- ICS-209 - Incident Status Summary Report
- ICS-215 - Operational Planning Worksheet

Staff Comments: This will more than likely be the standard /methodology used to transfer/share data over broadband and P25 networks among participating agencies during incidents. Understanding this standard/methodology will help us develop broadband interoperability standards for Arizona.

We plan to propose inclusion of information regarding Broadband in the 2011 update to Arizona's Statewide SCIP

More to follow in first quarter 2011



Mesa TOPAZ waiver:

Dale Shaw, TRWC Executive Director

John Minick, Communications Department,
City of Mesa

Tucson waiver:

Joseph Jakoby, IT Manager, City of Tucson



Mesa TOPAZ waiver

Mesa Waiver was granted in the first round of requests.

- Mesa's goal is to replace and expand their existing 800 MHz data system.
- BTOP funds were applied for but not granted [Note: 18 of 20 applicants did not receive funding.]
- An RFP was sent out for response in early November; responses were requested by Dec 30th:
 - For a turnkey 700MHz LTE Broadband Wide-Area Mobile Data Network system capable of providing secure and reliable connectivity between mobile computing devices and network services infrastructure operating in the TRWC service area.

Waiver request was submitted as part of the second wave.

- Tucson has several data systems including two 800 MHz systems, one 2.4 GHz mesh system (Police, Fire & Transportation) along with WiFi and 4.9 GHz hotspots. One of the systems is older and is unsustainable. One system does not offer citywide coverage.
- The goal of the 700 MHz Broadband effort is to upgrade the technology for each department and provide a single city-wide, seamless, public safety grade, wireless, broadband network.
- The interoperability will arise through sharing a common platform realizing both functional interoperability and economies of scale by sharing the core.
- Currently awaiting waiver approval. Funding is TBD.

Questions Discussion

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